PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WAIKIT FUNG	09/07/2016
LIANG MENG	08/21/2016
ANAND CHANDRASHEKAR	08/18/2016

RECEIVING PARTY DATA

Name:	LAM RESEARCH CORPORATION
Street Address:	4650 CUSHING PARKWAY
City:	FREMONT
State/Country:	CALIFORNIA
Postal Code:	94538

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15240807

CORRESPONDENCE DATA

Fax Number: (510)663-0920

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 1: P.O. BOX 70250
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ATTORNEY DOCKET NUMBER:	LAMRP238/3812-2U3
NAME OF SUBMITTER:	SARAH ARMSTRONG
SIGNATURE:	/Sarah Armstrong/
DATE SIGNED:	09/09/2016

Total Attachments: 4

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ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned named inventor, possess the right, title and interest for and in the Invention(s) as set forth in the patent application entitled: PULSING RF POWER IN ETCH PROCESS TO ENHANCE TUNGSTEN GAPFILL PERFORMANCE (Atty. Docket No. LAMRP238/3812-3US); and

(1) for which I have executed a U.S. patent application;

AND/OR

(2) the same having been filed on (August 18, 2016) as Application No. (15/240,807);

OR

(3) which is a U.S. Provisional Patent Application filed on (__________) as Application No. (__________);

in connection with which I hereby authorize and request the assignee's attorneys associated with Customer Number 83422 to insert within the foregoing parentheses the filing date and/or Application No. of said application when known.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned named inventor, hereby:

1) Sell, assign and transfer to **Lam Research Corporation,** a Delaware corporation having a place of business at 4650 Cushing Parkway, Fremont, CA 94538 ("ASSIGNEE"), the entire right, title and interest, including the right to claim priority, in the above-referenced application including any and all improvements and inventions disclosed therein, and in U.S. and foreign applications based upon, and U.S. and foreign patents granted upon, the above-referenced application.

2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.

3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.

4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the named inventor, as well as the named inventor's heirs, legal representatives and assigns.

5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date indicated beside my signature.

1) Signature: Waikit Fung Date: 9/7/2016
Typed Name: Waikit Fung

2) Signature: ____________________ Date: __________
Typed Name: Liang Meng

3) Signature: ____________________ Date: __________
Typed Name: Anand Chandrashekar

ASSIGNMENT OF PATENT APPLICATION

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5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date indicated beside my signature.

1) Signature: Waikit Fung Date: 8/25/2016
Typed Name: Waikit Fung

2) Signature: Liang Meng Date: 8/21/2016
Typed Name: Liang Meng

3) Signature: Date: 8/18/2016
Typed Name: Anand Chandrashekar